

REGION 6 EXECUTIVE SUMMARY

TOPIC: Wilcox Oil Company Superfund Site

DATE: 10-23-15

PURPOSE/ACTION NEEDED: Site Status Update

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DEADLINE DATE: N/A

BACKGROUND: The Wilcox Oil Company (Wilcox) Site includes the 125 acre inactive and abandoned Lorraine and Wilcox Oil refineries located in Bristow, Creek County, Oklahoma. The property was utilized as a crude oil refinery by these refineries from the early 1900s to the mid-1960s. The potential contaminants of concern are metals and organic compounds [Total Petroleum Hydrocarbons (TPH) and Polycyclic Aromatic Hydrocarbons (PAHs)] found in soil, sediment, and waste material. Refinery waste-source areas of concern include a backfilled oily waste pond and pit, a breached settling pond, a former pond apparently backfilled with solid refinery waste, and a number of former tank storage areas. There are 7 residential properties on the Site. Two properties are located within the former process areas while the remaining 5 are located within the tank storage areas.

CURRENT STATUS: The remedial investigation began in August 2015. Phase 1 of the investigation is underway and includes geophysics surveys and refinement of lithology and waste areas using cone penetrometer and light induced fluorescence.

EPA sampled residential properties within and near the boundary of the site. One-on-one discussion with each resident will be conducted in order to explain the data and answer questions. Based on our review of the data, soil sample results did not exceed levels considered acceptable by EPA for short-term exposures, and those that did exceed the Residential Screening Level (RSL) for soil are expected to fall within the accepted range established by EPA for long term exposures. Because of this, no immediate action is recommended, and all contaminants will undergo additional evaluation through a site-specific human health risk assessment.

The Oklahoma Department of Environmental Quality samples residential wells for those properties located within and near the site boundary. Sampling has been conducted each quarter over the past year. No exceedances of drinking water standards have been found, therefore, the frequency of sampling will be reduced to twice per year.

ENVIRONMENTAL/PUBLIC HEALTH CONCERNS: Recognizing the timeframes to fully implement a remedial investigation and remedy selection at the Site, the EPA used removal authorities to quickly assess the exposure to on-site residents, and provide fencing as necessary to prevent exposure. The primary concern is related to the residents that are living on the property, particularly those in the former process areas.

TECHNICAL CONCERNS: None at this time.

TRIBAL/COMMUNITY CONCERNS: The tribes interested in the site include the Sac and Fox Nation, Muscogee (Creek) Nation, and the Cherokee Nation. In addition, BIA and IHS are also interested. EPA and ODEQ continue to coordinate with the tribal groups and the community through site meetings, to discuss the Remedial Investigation/Feasibility Study process, current status and progress, and schedule of future activities. Meetings with the tribes were held in January, April, May, August, and September 2015, while Open House meetings with the community and tribes were held in January, May, and October 2015. Meetings with the residents were held in March, May, and October 2015.

STATUS: The remedial investigation is ongoing.



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